

How to search for data products by Keyword with **Giovanni-4**

The following slides demonstrate how to search for a data product using Keywords in the Giovanni-4 data interface

Giovanni-4 interface, with no plot options selected

Giovanni The Bridge Between Data and Science v 4.11 [Release Notes](#) [Browser Compatibility](#) [Known Issues](#)

Error in the content of AOD dust 550 nm GOCART model data prior to June 7, 2013... [1 of 1 messages] [Read More](#)

Select Plot

☒ Maps: Time-Averaged ☐ Comparisons: Select... ☐ Time Series: Select... ☐ Vertical: Select... ☐ Miscellaneous: Select...

Select Date Range (UTC)
Format: YYYY-MM-DD.
- - 00 hrs to - - 23 hrs
Valid Range: 1979-01-01 to 2014-12-17

Select Region (Bounding Box or Shapefile)
Format: West, South, East, North
-180, -90, 180, 90 [Show Map](#) [Show Shapes](#)

Select Variables

▼ Disciplines

- ☐ Aerosols (124)
- ☐ Atmospheric Chemistry (12)
- ☐ Atmospheric Dynamics (62)
- ☐ Hydrology (30)
- ☐ Water and Energy Cycle (42)

▼ Measurements

- ☐ Aerosol Index (1)
- ☐ Air Pressure (5)
- ☐ Air Temperature (14)
- ☐ Albedo (5)
- ☐ Altitude (4)
- ☐ Angstrom Exponent (16)
- ☐ Atmospheric Moisture (21)
- ☐ CH₄ (4)
- ☐ CO (4)
- ☐ Cloud Fraction (4)
- ☐ Cloud Properties (9)

Number of matching Variables: 0 of 239 Total Variable(s) included in Plot: 0

Keyword : [Search](#) [Clear](#)

Keywords can be typed into the Keyword box. Some suggestions may be shown below the box as a word is typed.

[Help](#) [Reset](#) [Feedback](#) [Plot Data](#)

Different types of measurements can be made for the same component of the Earth system, such as clouds or air temperature.

Typing in the Keyword '**methane**' generates the list of methane data variables currently available in the system.

Select Variables
▼ Disciplines
☐ Atmospheric Chemistry (4)
▼ Measurements
☐ CH4 (4)
► Platform / Instrument
► Spatial Resolutions
► Temporal Resolutions
► Portal

Number of matching Variables: 4 of 239
Keyword: methane
Total Variable(s) included in Plot: 0

	Variable Name	Source	Temp. Res.	Spat. Res.	Begin Date	End Date	Vert. S
<input type="checkbox"/>	Methane Total Column (Daytime/Ascending) (AIRX3STD v006)	AIRS	Daily	1 °	2002-08-31	2014-12-15	
<input type="checkbox"/>	Methane Total Column (Nighttime/Descending) (AIRX3STD v006)	AIRS	Daily	1 °	2002-08-31	2014-12-15	
<input type="checkbox"/>	Methane Total Column (Daytime/Ascending) (AIRX3STM v006)	AIRS	Monthly	1 °	2002-09-01	2014-09-30	
<input type="checkbox"/>	Methane Total Column (Nighttime/Descending) (AIRX3STM v006)	AIRS	Monthly	1 °	2002-09-01	2014-09-30	

The Discipline and Measurement menu box adjusts automatically

Select one or more data variables, and click the 'Clear' button to show just the selected data variables.

Select Variables

▼ **Disciplines**

- ☐ Aerosols (124)
- ☐ Atmospheric Chemistry (12)
- ☐ Atmospheric Dynamics (62)
- ☐ Hydrology (30)
- ☐ Water and Energy Cycle (42)

▼ **Measurements**

- ☐ Aerosol Index (1)
- ☐ Air Pressure (5)
- ☐ Air Temperature (14)
- ☐ Albedo (5)
- ☐ Altitude (4)
- ☐ Angstrom Exponent (16)
- ☐ Atmospheric Moisture (21)
- ☐ CH₄ (4)
- ☐ CO (4)
- ☐ Cloud Fraction (4)

Number of matching Variables: 0 of 239

Keyword:

Total Variable(s) included in Plot: 1

	Variable Name	Source	Temp. Res.	Spat. Res.	Begin Date	End Date	Vert. S
<input checked="" type="checkbox"/>	Methane Total Column (Daytime/Ascending) (AIRX3STM v006)	AIRS	Monthly	1°	2002-09-01	2014-09-30	

The Discipline and Measurement box will show the complete list after 'Clear' is clicked.

**End
of
demonstration**